

Claims

WHAT IS CLAIMED IS:

1. A method comprising:
 - requesting identification of one or more objects in association with a capture of an image; and
 - receiving an identifier, responsive to the requesting operation, the identifier identifying an object in the image.
2. The method of claim 1 wherein at least one of the objects is an active object, and the identifier of the active object is received from the active object.
3. The method of claim 1 wherein at least one of the objects is a delegate object, and the identifier of the delegate object is received from another object.
4. The method of claim 1 further comprising:

capturing the image, wherein an image capture device performs the requesting, receiving, and capturing operations.
5. The method of claim 1 further comprising:

associating the identifier with the image.
6. The method of claim 1 further comprising:

extracting a model associated with the identifier from a model library.
7. The method of claim 1 further comprising:

extracting a model associated with the identifier from a model library; and

evaluating the image using the model to determine whether the object is in the image.

8. The method of claim 1 further comprising:

identifying a sub-portion of a model library based on the identifier.

9. The method of claim 1 further comprising:

identifying a sub-portion of a model library based on the identifier; and

evaluating the image using a plurality of models in the sub-portion of the

model library to identify objects in the image.

10. The method of claim 1 further comprising:

associatively storing with the image one or more parameters relating to the

object identified in the image.

1 11. A computer program product encoding a computer program for
2 executing on a computer system a computer process, the computer process
3 comprising:

4 requesting identification of one or more objects in association with a
5 capture of an image; and

6 receiving an identifier, responsive to the requesting operation, the identifier
7 identifying an object in the image.

9 12. The computer program product of claim 11 wherein at least one of the
10 objects is an active object, and the identifier of the active object is received from
11 the active object.

12 13. The computer program product of claim 11 wherein at least one of the
13 objects is a delegate object, and the identifier of the delegate object is received
14 from another object.

15 14. The computer program product of claim 11 wherein the computer
16 process further comprises:

18 capturing the image, wherein an image capture device performs the
19 requesting, receiving, and capturing operations.

20 15. The computer program product of claim 11 wherein the computer
21 process further comprises:

22 associating the identifier with the image.

1 16. The computer program product of claim 11 wherein the computer
2 process further comprises:

3 extracting a model associated with the identifier from a model library.

4 17. The computer program product of claim 11 wherein the computer
5 process further comprises:

6 extracting a model associated with the identifier from a model library; and

7 evaluating the image using the model to determine whether the object is in
8 the image.

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10 18. The computer program product of claim 11 wherein the computer
11 process further comprises:

12 identifying a sub-portion of a model library based on the identifier.

13 19. The computer program product of claim 11 wherein the computer
14 process further comprises:

15 identifying a sub-portion of a model library based on the identifier; and

16 evaluating the image using a plurality of models in the sub-portion of the
17 model library to identify objects in the image.

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19 20. The computer program product of claim 11 wherein the computer
20 process further comprises:

21 associatively storing with the image one or more parameters relating to the
22 object identified in the image.

1 21. A system comprising:

2 a signaling module coupled to a digital capture device requesting
3 identification of one or more objects in association with a capture of an image; the
4 signaling module further receiving an identifier identifying an object in the image,
5 responsive to requesting identification.

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7 22. The system of claim 21 wherein at least one of the objects is an active
8 object, and the identifier of the active object is received from the active object.

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10 23. The system of claim 21 wherein at least one of the objects is a delegate
11 object, and the identifier of the delegate object is received from another object.

12 24. The system of claim 21 further comprising:
13 an image capture module capturing the image.

14 25. The system of claim 21 further comprising:
15 a registration module associating the identifier with the image.

16 26. The system of claim 21 further comprising:
17 a model extractor extracting a model associated with the identifier from a
18 model library.

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20 27. The system of claim 21 further comprising:
21 a model extractor extracting a model associated with the identifier from a
22 model library; and
23 an object matching module evaluating the image using the model to
24 determine whether the object is in the image.

1 28. The system of claim 21 further comprising:
2 a model extractor identifying a sub-portion of a model library based on the
3 identifier.

4 29. The system of claim 21 further comprising:
5 a model extractor identifying a sub-portion of a model library based on the
6 identifier; and
7 an object matching module evaluating the image using a plurality of models
8 in the sub-portion of the model library to identify objects in the image.

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10 30. The system of claim 21 further comprising:
11 an image storage module associatively storing with the image one or more
12 parameters relating to the object identified in the image.

1 31. A method comprising:
2 receiving a request for identification from an image capture device;
3 collecting identification information associated with an active object; and
4 transmitting the identification information from the active object to the
5 image capture device.

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7 32. The method of claim 31 further comprising:
8 collecting identification information associated with a delegate object of the
9 active object; and
10 transmitting the identification information associated with the delegate
11 object from the active object to the image capture device.

1 33. A computer program product encoding a computer program for
2 executing on a computer system a computer process, the computer process
3 comprising:
4 receiving a request for identification from an image capture device;
5 collecting identification information associated with an active object; and
6 transmitting the identification information from the active object to the
7 image capture device.

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9 34. The computer program product of claim 33 wherein the computer
10 process further comprises:

11 collecting identification information associated with a delegate object of the
12 active object; and
13 transmitting the identification information associated with the delegate
14 object from the active object to the image capture device.

1 35. A system comprising:

2 a detection module of an active object that receives a request for
3 identification from an image capture device;

4 a collection module of the active object that collects identification
5 information associated with the active object; and

6 a transmission module of the active object that transmits the identification
7 information to the image capture device.

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9 36. The system of claim 35 wherein the collection module further collects
10 identification information associated with a delegate object of the active object
11 and transmitting the identification information associated with the delegate object
12 from the active object to the image capture device.

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